



Date: July 18, 2001

Page 1 of 4

#18

FORM PTO-1449 (201b)	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFER, et al.	
	FILING DATE January 19, 2001	GROUP ART UNIT (NA) 1638

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
DKF	AA	5,817,913	10/1998	Schaffer	800	200	
J	AB	5,498,830	3/1996	Barry, et al.	800	205	
J	AC	5,608,149	3/1997	Barry, et al.	800	205	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION
DKF	AD	WO 94/22289	Oct. 1994	PCT	—	—	Y
DKF	AE	WO 92/14831	Sep. 1992	PCT	—	—	Y

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DKF	AF	Azanza F et al., "Genes from Lycopersicon Esculentum Affecting Tomato Quality During Fruit Ripening", Theoretical and Applied Genetics 1995, Vol. 91, no. 3, August 1995, pp. 495-504.
	AG	Dinar M et al., "The Relationship Between Starch Accumulation and Soluble Solids Content of Tomato Lycopersicon-Esculentum Fruits", Journal of the American Society for Horticultural Science, 1981, Vol. 106, no. 4, pp. 415-418.
	AH	Stark David M et al., "Improvement of Food Quality Traits Through Enhancement of Starch Biosynthesis", Conference, Lexington, Kentucky, USA, Oct. 1-4, 1995, Vol. 792, pp. 26-36.
	AJ	Schaffer Arthur A et al., "Sucrose to-Starch Metabolism in Tomato Fruit Undergoing Transient Starch Accumulation", Plant Physiology, 1997, Vol. 113, no. 3 pp. 739-746.
	AJ	Schaffer Arthur A et al., "Modification of Carbohydrate Content in Developing Tomato Fruit", 94 th Annual Int. Conf. of the American Society for Horticultural Science, Salt Lake City, Utah, USA, July 23-26, 1997, Vol. 32 no. 7, p. 551.

EXAMINER: David A. Schaffer DATE CONSIDERED: 9/29/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1440 (34) (Colb)



LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
	APPLICANT Arthur SCHAFFER, et al.	
	FILING DATE January 19, 2001	GROUP ART UNIT QNA/1638

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
DXF	AA	5,608,150	3/1997	Conner	800	205	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION
DXF	AB	WO 91/19806	Dec. 1991	PCT	—	—	Y
↓	AC	WO 96/24679	Aug. 1996	PCT	—	—	Y

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DXF	AD	Miron D et al., "Sucrose Phosphate Synthase Sucrose Synthase and Invertase Activities in Developing Fruit of Lycopersicon-Esculentum Mill. And the Sucrose Accumulating Lycopersicon-Hirsutum Humb. And Bonpl.", Plant Physiology (Bethesda) 1991, Vol. 95, no. 2, <i>Pages 623 - 627</i>
↓	AE	Park S W et al., "Molecular Cloning and Organ-Specific Expression of Three Isoforms of Tomato ADP-Glucose Pyrophosphorylase Gene", Gene: An International Journal of Genes and Genomes, GB, Elsevier Science Publishers, Barking, Vol. 206, no. 2 January 1998, <i>215 - 221</i>
↓	AF	Hadas R et al., "PCR-generated molecular markers for the invertase gene and sucrose accumulation in tomato", Theoretical and Applied Genetics, Vol. 90 no. 7-8, 1995, <i>Pages 1142 - 1148</i>
↓	AG	Schaffer Arthur A et al., "ADPglucose pyrophosphorylase activity and starch accumulation in immature tomato fruit: the effect of a lycopersicon hirsutum-derived introgression encoding for the large subunit", Plant Science (Shannon), March 2000, Vol. 152, no. 2, <i>Pages 135 - 144</i>
↓	AH	Schaffer Arthur a et al., "Modification of carbohydrate content in developing tomato fruit", Hortscience Oct. 1999, Vol. 34, no. 6, <i>Pages 1024 - 1027</i>
↓	AI	Y. Eshed et al., "Introgressions from Lycopersicon pennellii can improve the soluble-solids yield of tomato hybrids", Theor. Appl. Genet., 88:891-897, 1994.
↓	AJ	Y. Eshed, et al., "Lycopersicon esculentum lines containing small overlapping introgressions from L. pennellii", Theor. Appl. Genet, 83:1027-1034, 1992.
EXAMINER: <i>Arthur Schaffer</i>	DATE CONSIDERED:	9/29/01
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



Date: July 18, 2001

Page 3 of 4

FORM PTO-1449-Sub10	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFFER, et al.	
	FILING DATE January 19, 2001	GROUP ART UNIT 603d

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION
	AB						

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DDF	AC	Michael J. Giroux, et al., "A single gene mutation that increases maize seed weight", Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 5824-5829, June 1996.
	AD	Preiss J et al., "Starch synthesis in sinks and sources" Marcel Dekker Publ. NYC, pp. 63-96, 1996, <i>Photoassim. Dist. Plants Crops, Zanski et al., eds</i>
	AE	Y. Kanayama, et al., "Divergent fructokinase genes are differentially expressed in tomato", Plant Physiol. 1997, 113:1379-1384.
	AF	S. Yelle, et al., "Sink Metabolism in tomato fruit", Plant Physiol. 1991, Vol. 95, pp. 1026-1035.
	AG	Fei Wang, et al., "Isolation and sequencing of tomato fruit sucrose synthase cDNA", Plant Physiol. 1993, 103:1463-1464.
	AH	H. Fu, et al., "Sink- and vascular-associated sucrose synthase functions are encoded by different gene classes in potato", The plant cell, vol. 7, 1369-1385, Sept. 1995.
	AI	J. D. Hewitt et al., "sink strength of fruits of two tomato genotypes differing in total fruit solids content", J. Amer. Soc. Hort. Soc. 107(5), 1982, pp. 896-900.
↓	AJ	A.J. Walker, et al., "Carbon translocation in the tomato: carbon import and fruit growth", Ann. Bot. 41, 813-823, 1977.

EXAMINER: *David M*DATE CONSIDERED: *9/29/01*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-146 (Rev. 3-30-2001)		ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT		APPLICANT Arthur SCHAFER, et al.	
		FILING DATE January 19, 2001	GROUP ART UNIT 1638

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION
	AB						

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DX	AC	C.M. Rick, "High soluble-solids content in large-fruited tomato lines derived from a wild green-fruited species", <i>Hilgardia</i> , 42:493-510, 1974.
	AD	Y. Kanayama, et al., "Tomato fructokinases exhibit differential expression and substrate regulation", <i>Plant Physiol.</i> 1998, 85-90, Vol. 117
	AE	Schaffer Arthur A et al., "Inhibition of fructokinase and sucrose synthase by cytosolic levels of fructose in young tomato fruit undergoing transient starch synthesis", <i>Phys. Plant.</i> 101:800-806, 1997.
	AF	Superscript Preamplification System, GibcoBRL Life Technologies, Gaithersburg, MD, USA, 1995.
	AG	S. Yelle, et al., "Sink metabolism in tomato fruit", <i>Plant. Physiol.</i> 1988, 87, 737-740.
	AH	Tag DNA Polymerase, Supernova DNA Polymers, Madi Ltd. Rishon Le-Zion, Israel, 1999.
	AI	Automater Thermocycler, MJ Research Ind. Watertown, Massachusetts, USA, 1998.
	AJ	Chen B.Y. et al., "The electronic plant gene register", <i>Plant Physiology</i> , 109:1498, 1995.
	AK	pGEM-T and pGEM-T Easy Vector Systems, Promega Corp., Madison, WI, USA, 1997.
✓	AL	Trizol Reagent System, GibcoBRL Life Technologies, Gaithersburg, MD, USA, 1999.

EXAMINER: *Arthur Schaffer* DATE CONSIDERED: *9/29/01*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.